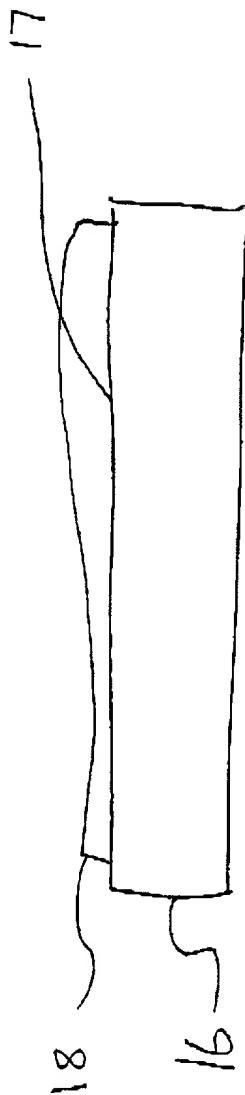


Figure 1A

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FIG 1B



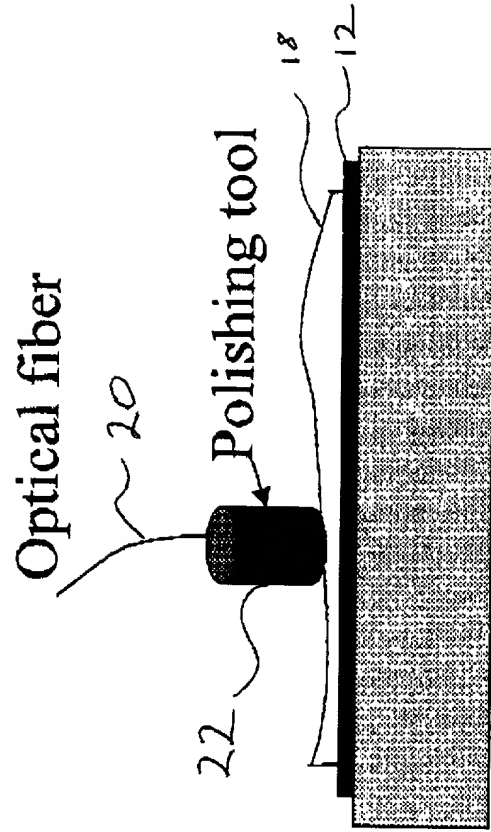


Figure 2

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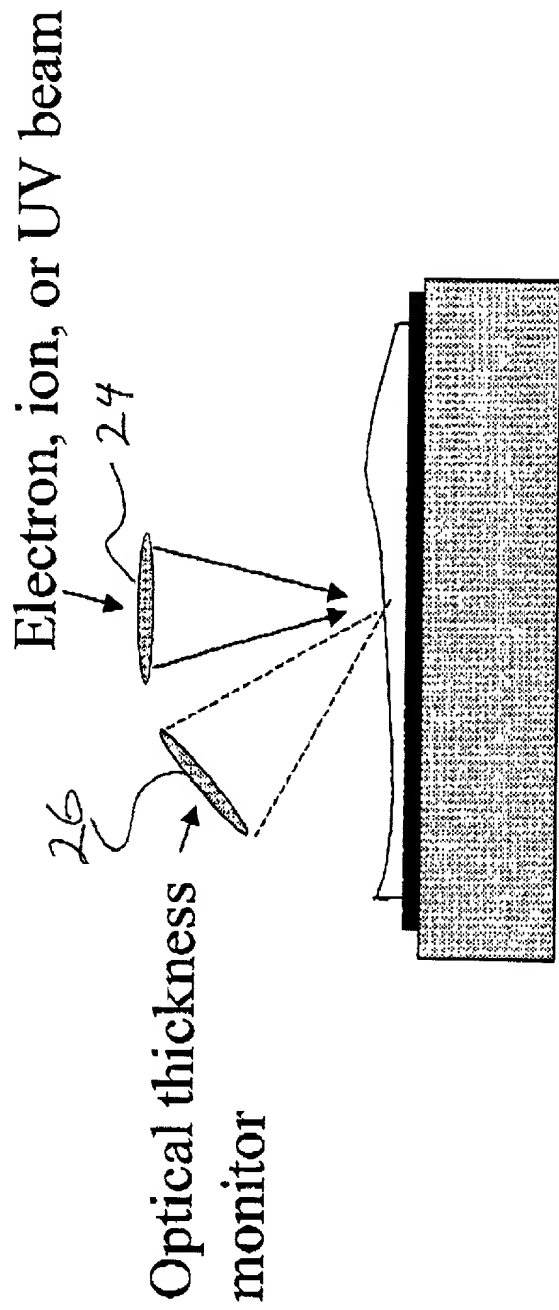


Figure 3

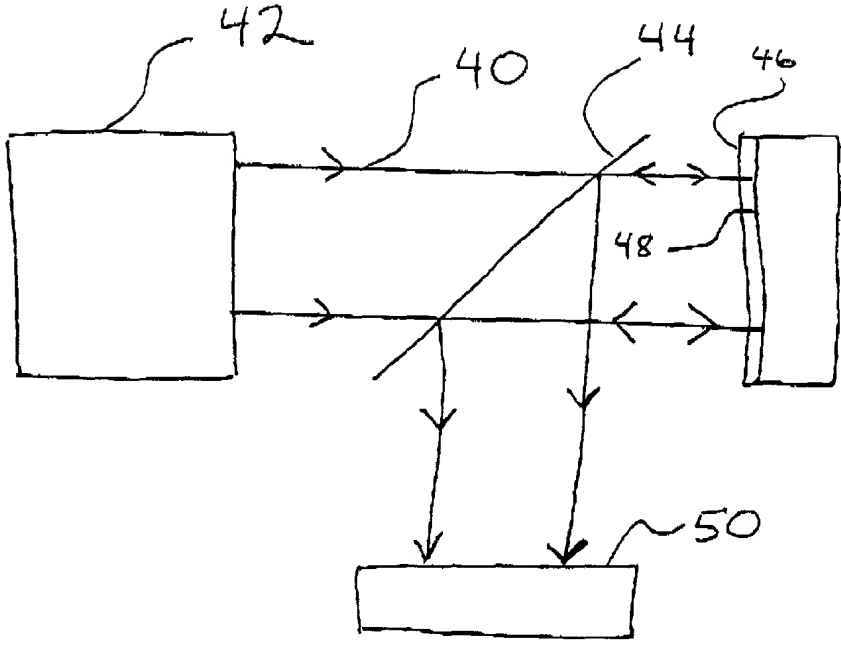


FIG. 4

FIG. 4 is a schematic diagram of an optical system. The system includes a light source 42, a beam splitter 40, a detector 46, and a sample 50. Light from the source 42 is directed towards the beam splitter 40. The beam splitter 40 is positioned between the source 42 and the detector 46. The light from the source 42 is split into two paths: one path is directed towards the detector 46, and the other path is directed towards the sample 50. The light from the sample 50 is reflected back towards the beam splitter 40, which then directs it towards the detector 46. The detector 46 is positioned to receive the light from the source 42 and the light reflected from the sample 50.